Edition 8.2

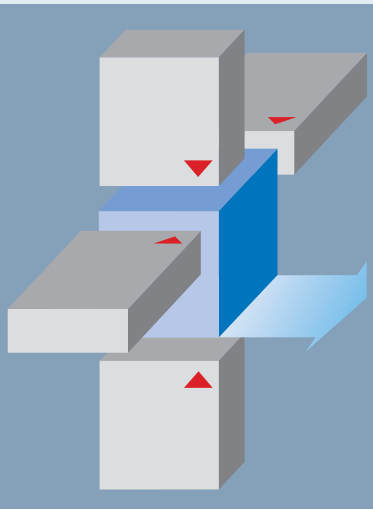
cab product marking

Print and Apply System Hermes+

Made in Germany

Applications

No matter how you turn it



Apply bottom to top, top to bottom or from either side: The Hermes+ prints and applies in any installation position and can therefore be integrated in all kinds of production lines.

Host connection or stand-alone operation

The Hermes+ is the result of more than 30 years of product development and technical know-how. The system is especially designed for fully-automated print and apply processes in production lines. Precise label positioning and a robust design make the Hermes+ the choice for 24/7 industrial labeling applications.

Software tools are available for most enterprise-wide hardware. Direct programming is possible by using the cab printer language J-Script. Label layout, graphics and special fonts can be downloaded to the CompactFlash Memory Card.

PCB Identification Label

Smallest label size of 4 x 4 mm, if space is limited.

Type plates

Precise print and apply up to ± 0,2 mm. Smallest fonts with highest resolution of 600 dpi.

Packaging

Fast, faster, in second intervals: precise in every position and in real time.

Type overview Hermes+

Hermes+2 - 2

Label roll Ø 205 mm
Label width up to 58 mm

Print resolution dpi	300	600
Print width up to mm	54,2	57
Print speed up to mm/s	150	100

to the left

to the right

Hermes+2 - 3

Label roll Ø 305 mm
Label width up to 58 mm

Print resolution dpi	300	600
Print width up to mm	54,2	57
Print speed up to mm/s	150	100

Hermes+4 - 2

Label roll Ø 205 mm
Label width up to 114 mm

Print resolution dpi	203	300	600
Print width Hermes+4 up to mm	104	105,6	105,6
Print speed up to mm/s	250	250	100
Print width Hermes+4.3 up to mm	104	108,4	–
Print speed up to mm/s	200	150	–

Hermes+4 - 3

Label roll Ø 305 mm
Label width up to 114 mm

Print resolution dpi	203	300	600
Print width Hermes+4 up to mm	104	105,6	105,6
Print speed up to mm/s	250	250	100
Print width Hermes+4.3 up to mm	104	108,4	–
Print speed up to mm/s	200	150	–

Hermes+6 - 2

Label roll Ø 205 mm
Label width up to 174 mm

Print resolution dpi	200	300
Print width up to mm	168	162,6
Print speed up to mm/s	200	200

Hermes+6 - 3

Label roll Ø 305 mm
Label width up to 174 mm

Print resolution dpi	200	300
Print width up to mm	168	162,6
Print speed up to mm/s	200	200

Technical details

1 Large graphic display

White backlight guarantees clarity of display.
Depending on the fitting position the display can be turned in steps of 90°.

2 Navigator pad

Simple, interactive menue control. Applicable functions are illuminated. Menue handling is easy to comprehend.

3 Ribbon retainer

The threepart tightening axles allow a fast and easy ribbon exchange.

4 Solid, buckling resistant metal chassis

It is made of dye-cast aluminium.
All devices are assembled to it.

5 Assembly applicator

The applicator is assembled on hinges and can be exchanged easily.

6 Printing offset

After exchanging the label roll the printing position is set up automatically after a few printed labels. The label position is stored, even if the machine is turned off.

7 Printhead

The printhead can be exchanged easily.
Adjustments and setups are not necessary.

8 Ribbon saver

It is used for labels which are to be only partially printed. The printhead is lifted off in the plain area and the ribbon is stopped during label feed.

9 Transport system

The ball bearing transport rollers ensure a highly accurate printing and the precise feeding of labels.

10 Label unwinder

The swing lever and the integrated brake make sure that the labels are unwound with constant tension.

11 Rewinder

The liner of a label roll is rewound after the labels have been peeled off. The clamping shafts enable an easy exchange of the roll.

12 Print direction

All Hermes+ label printers with applicators are in left and right orientation available.

All required interfaces

1 RS232C- Interface

2 USB 2.0 Slave interface

3 Ethernet 10/100 Base T-interface with TCP/IP

4 Slot for Wireless LAN-card

5 Two USB-Master-interfaces to connect an external operation panel, keyboard, scanner or Service Key

6 Slot for memory card CompactFlash Type I

7 Connection for warning light

Indicates the display and the printer status

Green Ready for operation
Yellow Prewarning end of label, end of ribbon
Red Printing or applying error

8 Connection main valve for air pressure:
On / off signal for compressed air supply

9 Connection external E-stop
In connection with a main valve this interface allows to cut-off the compressed air supply in case of emergency

10 Digital I/O interface
25-pin SUB-D socket.
All 24V in- and outputs are optically isolated

Inputs

Start printing and applying
Reprint
Label feed
Delete print job
Pause
Label dispensed
Reset
Stop printing and applying
Print first label
Rotation 4200

Outputs

Ready to operate
Print data available
Paper feed on
Prewarning end of ribbon
Prewarning end of label
Error end of ribbon
Error end of label
Label in dispensing position
Basic position / upper end position
Applying position / lower end position
Common alarm

Options

Interface Centronics bi-directional acc. IEEE 1284.
Interface RS422/RS485 1.200 up to 230.400 Baud/8 Bit.
The interfaces are connected to the PC.
Connection to the printer via mini USB-connection cable.

Label selection box-I/O-box. Via SPS up to 16 different labels can be loaded from a memory card.
Operation of four in-/outputs via Basic Interpreter.

cab WLAN card 802.11 b/g.

Software tools

Direct programming with J-Script

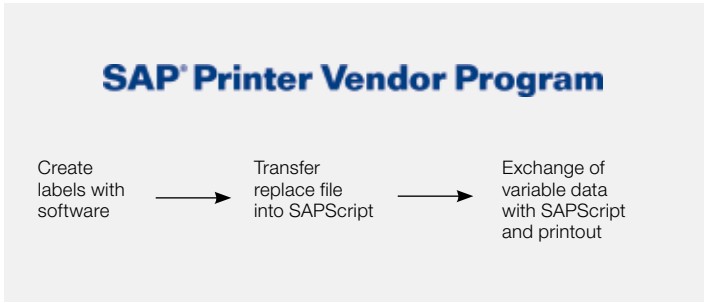
The printer language is easy to understand and simple to integrate into your host system. Variable data is linked with host applications. Label design, graphic data and fonts are recorded on the CompactFlash card. The host computer sends only variable data to the printer.

J	**Job start**
H 100	**Speed (100 mm/s)**
O R	**Orientation rotated by 180°**
S l1;0,0,68,70,100	**Size of label (100x68 mm, gap 2 mm)**
T 10, 10,0,5,pt20;sample	**Text object/font: Swiss bold, 20 pt**
B 10,20,0,EAN-13,SC2,401234512345	**Barcode EAN 13, size SC 2**
G 8,3.5,0;R:30,9,0.3;0.3	**Graphic, box 30 x 9 mm, Line strength 0.3 mm**
A 1	**Number of labels (in this example 1)**

Integration into SAP R/3*

In cooperation with SAP, cab developed the “replace method” in order to controll the cab printers with SAPScript from SAP R/3. As a Silver Level partner in SAP‘s Printer Vendor Program, cab has access to the SAP development area for optimum printer support in SAP environments.

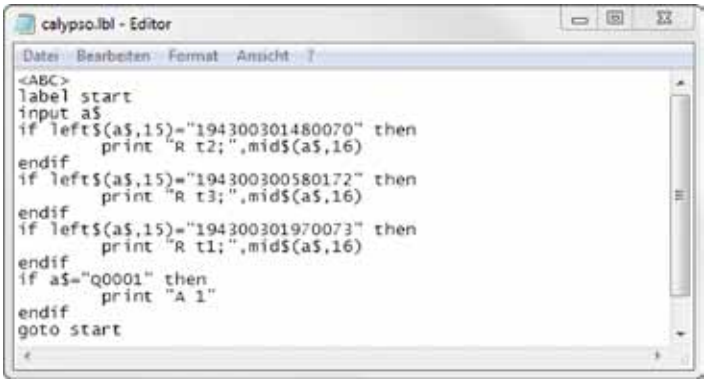
** SAP and R/3 are registered trademarks of SAP AG.*


SAP® Printer Vendor Program
Create labels with software
Transfer replace file into SAPScript
Exchange of variable data with SAPScript and printout

abc – Basic Compiler

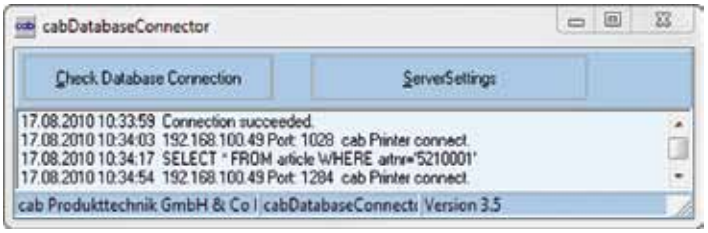
As an integrated element of the firmware, the Basic Compiler enables the printer to process data via BASIC programming before it is sent for print editing. This makes it possible for external printer languages to be replaced or data from other systems, e.g. a PLC or balance, to be transferred so information can be printed in different label formats.

Example of use:
Connection to a balance



Database Connector

In stand-alone mode with additional network connection, the Database Connector enables stand-alone printers to access data directly from a central SQL-compatible database and to print it as a label. Data can also be written back to the database or changed during the printing process.

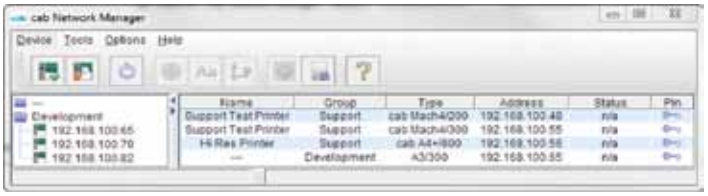

cabDatabaseConnector
Check Database Connection
ServerSettings
17.08.2010 10:33:59 Connection succeeded.
17.08.2010 10:34:03 192.168.100.49 Port: 1028 cab Printer connect.
17.08.2010 10:34:17 SELECT * FROM article WHERE artnr='5210001'
17.08.2010 10:34:54 192.168.100.49 Port: 1284 cab Printer connect.
cab Produkttechnik GmbH & Co KG cabDatabaseConnector Version 3.5

Printer monitoring with Intranet and Internet

Using standard programs such as the web browser or FTP clients, the integrated HTTP and FTP server enables print monitoring, configuration, firmware updates and memory card administration. Status, warning and error messages are sent to administrators or users as e-mails or SNMP datagrams via SNMP and SMTP clients. A time server is used to synchronize the time and date.

Administration Network Manager

The cab Network Manager enables the user to control multiple printers across a network simultaneously. It supports monitoring, configuration, firmware updates, memory card administration, file synchronization and PIN administration centrally.



Printer driver

Designed for Microsoft Windows XP
Designed for Microsoft Windows Server 2003
Compatible with Windows 7
CERTIFIED FOR Windows Server 2008 R2

WHQL-accredited Windows printer driver for

Windows XP
Windows Vista
Windows 7
Windows Server 2003
Windows Server 2008
Windows Server 2008 R2

Our printer drivers are officially accredited and signed by Microsoft. They offer highest stability on your Windows operating system. The programs Word, Excel, Access, Corel Draw etc. permit the design and printing of labels.

Microsoft® is a registered trademark of Microsoft Corporation.

Label software

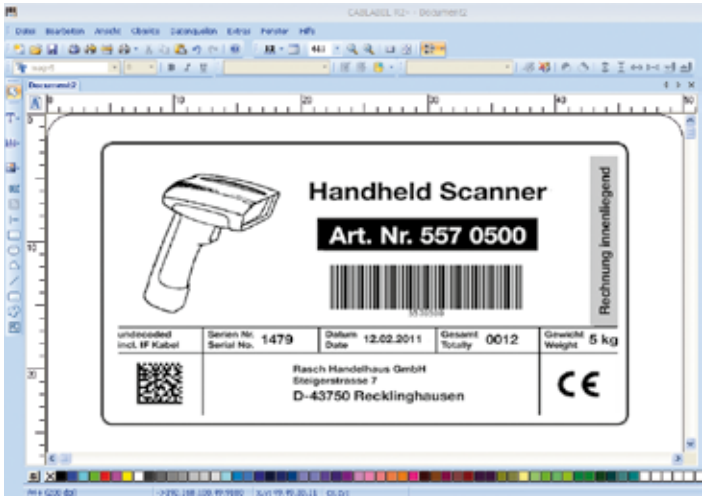
cablabel R2+

A powerful label software for free, specially designed for cab printers and print & apply systems.

The ideal design of a label is realizable by using different fonts, bar-codes and graphics in variable heights, widths and printing directions.

The cab printers offer, besides the loadable MS Windows-available TrueType Fonts, a large number of internal bitmap and vector fonts. Due to the support of the most commonly used codepages country-specific special characters are also printable.

Highly productive functions permit the design and printing of complex labels within just a few minutes. cablabel R2+ supports special functions of the cab printers such as real-time clock, printer counter, stand-alone operation without PC, circular fonts or the display of the data stream into a data file. The MDI-technology permits the synchronous tensioning of several labels and the switching of different objects.



Cablabel R2+ is available in 24 different languages for the following operating systems: Windows XP, Windows Vista, Windows 7, Windows Server 2003*, Windows Server 2008*

** Terminalserver / Citrix are not supported.*

Additional label software

Highest possible variability - many commercially available label software such as Codesoft, Nicelabel, Easylabel, Bartender, Label Matrix or Labelview support the cab label printers and labelling systems.

Stand-alone operation

Printing with a cab printer without PC.

The layout of the labels is created either with the label software or direct programming via text editor directly on the PC.
Label formats, fonts and graphic data, serial data and data base contents are saved or imported on the CF memory card or the internal IFFS printer memory.

Only variable data is sent to the printer via keyboard or host computer before being printed out. Data of a barcode scanner or a scale can be additionally received by the printer.

Technical data

Label printer		Hermes+ 2		Hermes+ 4			Hermes+ 4.3[2]		Hermes+ 6	
Printhead	Printing method	Thermal transfer / Thermal direct								
	Print resolution dpi	300	600	203	300	600	203	300	203	300
	Print speed up to mm/s	150	100	250	250	100	200	150	200	200
	Print width up to mm	54,2	57	104	105,6	105,6	104	108,4	168	162,6
Material	Labels on rolls	Paper, cardboard, textiles, synthetics PET, PE, PP, PVC, PU, acrylate, PI								
	Thickness mm / weight g/m²	0,055 - 0,35 / 60 - 160								
	Width Labels[1] mm	4 - 58		10 - 114					50 - 174	
	Label height[1] when dispensing mm	4 - 200		8 - 250					25 - 250	
	Media roll: Total Ø up to mm	205 / 305								
	Roll / Adapter	40 / 50		40 / 50					–	
	Roll	76		76					76	
	Winding direction	outside or inside								
Ribbon	Ink	outside or inside								
	Roll diameter up to mm	80		80					80	
	Core diameter mm	25		25					25	
	Ribbon length variable up to m	500		500					500	
	Width[3] mm	60		114					165	
	Ribbon saver	–		☐					☐	
Internal rewinder	Total diameter up to mm	155 / 210								
	Core diameter mm	76		76					76	
Dimensions printer	Height mm Label roll Ø 205 mm	400								
	Label roll Ø 305 mm	538								
	Depth mm Label roll Ø 205 mm	400								
	Label roll Ø 305 mm	518								
	Width mm	200		255					315	
	Weight kg	15		16					20	
Label sensor	See-through sensor	for leading edge of the label or punching marks and end of material								
	Reflective sensor from the bottom / from the top	for printing marks								
	Distance from center to shoulder middle wall	2 - 26		2 - 47					2 - 47	
Electronic	Processor high speed 32 Bit Clock rate MHz	266								
	(RAM) MB	64								
	Memory IFFS MB Flash	8								
	Slot for memory CompactFlash-card Type I	■								
	Slot for Wireless LAN-card	■								
	Battery buffer for	Real-time clock, printout of time and date storage of data with shut-down								
	Warning signal	Acoustic signal when error								
Interfaces	Centronics bi-directional acc. IEEE 1284	☐								
	RS232 C 1.200 up to 230.400 Baud/8 Bit	■								
	USB 2.0 High Speed Slave for PC-connection	■								
	Ethernet 10/100 Base T, LPD, RawIP-Printing, ftp-Printing, DHCP, HTTP, FTP, SMTP, SNMP, TIME, Zeroconf, mDNS, SOAP	■								
	RS422, RS485 1.200 up to 230.400 Baud/8 Bit	☐								
	WLAN card 802.11b/g WEP/WPA PSK (TKIP)	☐								
	2x USB Master for	external operation panel, keyboard, scanner or service key								
	Connection warning light	■								
	Digital I/O-Interface	■								
	cab applicator connection	■								
	Connection for external emergency stop	■								
	Connection compressed air	■								
Operating data	Power supply	100 - 240 V ~ 50/60 Hz, PFC								
	Power consumption	max. 300 W								
	Temperature / Humidity: Operation	+ 5 - 40°C / 10 - 85% not condensing								
	Storage	+ 0 - 60°C / 20 - 85% not condensing								
	Transport	–25 - 60°C / 20 - 85% not condensing								
	Approvals	CE, FCC class A, CB, CCC, UL								

[1] The label size is additionally defined through the type of the applicator.
Depending on label size, material and adhesive limitations are possible. Critical material or applications have to be tested and cleared.
[2] Preferred for thermal direct.
[3] The ribbon should approximate the width of the labels in order to avoid drapery.

Technical data

■ Standard ☐ Option ○ Authorized distribution by resellers

Operation panel	Buttons / LED-display:	Pause, Feed, Cancel, Menü, Enter, 4 x Cursor
	LCD-graphic display:	Width 60, Height 40 mm Text 4 lines, ca. 20 characters per line
Settings		time date digital or analog clock 25 language settings system settings print parameters interfaces security
Monitoring	Warning if:	End of ribbon ■ End of labels ■
	Stop printing if:	End of ribbon ■ End of labels ■ Printhead open ■
	On the display	Data reception Clock WLAN field intensity Date sheet Ethernet state abc debug Used memory Input buffer Temperature printhead Remaining quantity of ribbon Access to memory card
Test routines	System diagnosis	When switched on with testing of printhead
	Short Status, Status print	font list, device list, WLAN state, profile of label, test grid, monitor mode, PPP state
	Status reports	Extensive status print with information about setting, e.g. print length counter, runtime counter etc. Request of machine state via software command. Detailed status messages on the display, e.g. network error-no link, barcode error etc..
Fonts	Font types	5 Bitmap fonts incl. OCR-A, OCR-B and 3 Vector fonts Swiss 721, Swiss 721 Bold and Monospace 821 available internally, loadable TrueType fonts. Optional Chinese (simplified Chinese), Optional Thai
	Character sets	Windows 1250 up to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBC DIC 500, ISO 8859-1 up to -10 and -13 up to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, K0I8-R. All West and East European latin, cyrillic, greek, hebrew and arabic characters are supported. Optional Thai and Chinese.
	Bitmap fonts	Size of width and height 1 - 3 mm zoom 2-10 Orientation 0°, 90°, 180°, 270°
	Vector- / TrueType fonts	Size of width and height 0.9 - 128 mm variable zoom, Orientation 360° in steps of 1°
	Font formats	Bold, italic, underlined, outline, negative, grey, vertical, depending on character fonts
	Font width	Variable

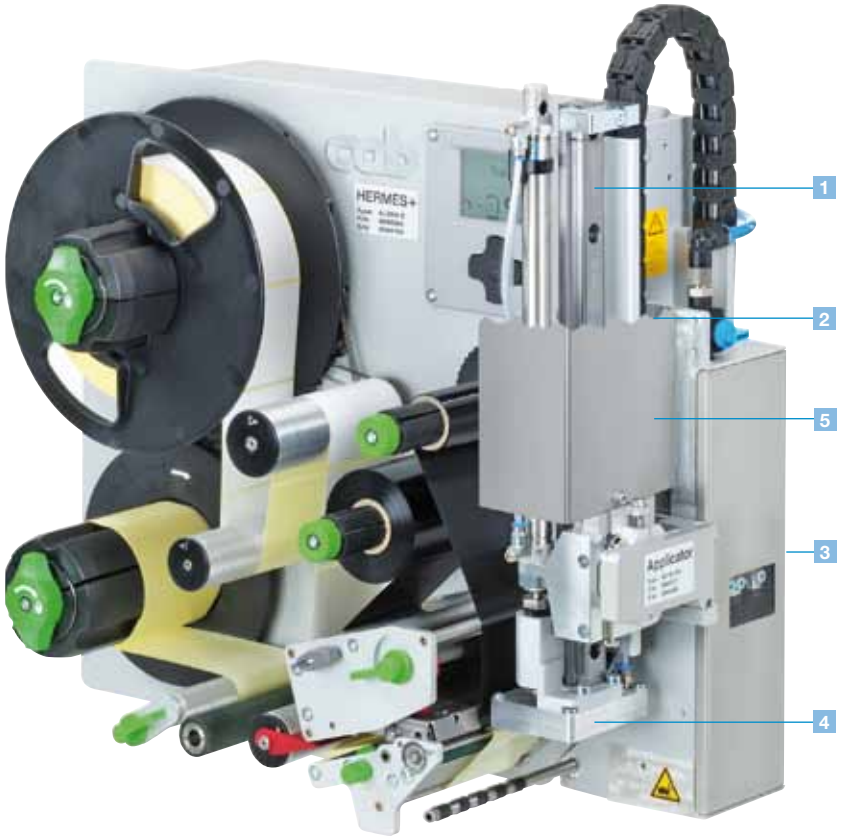
Graphics	Graphic elements	Line, arrow, box, circle, ellipse, filled and filled with fading	
	Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG	
Barcodes	Linear barcodes	Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C Codabar EAN 8, 13 EAN / UCC 128 EAN / UPC Appendix 2 EAN / UPC Appendix 5 FIM HIBC Interleaved 2 / 5 Ident- and lead code of Deutsche Post AG JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0	
	2D-Codes	Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF 417, UPS Maxicode, QR-Code, RSS 14 truncated, limited, stacked and stacked omnidirectional, EAN-Datamatrix, GS1 Data Bar	
		All codes variable in height, module width and ratio. Orientation 0°, 90°, 180°, 270°. Optionally with check digit, printed characters and Start/Stop code, depending on code type.	
Software	Programming	J-Script direct programming abc-Basic Compiler Database Connector	■ ■ ☐
	System diagnosis / administration	Printer monitoring Network Manager	■ ☐
	Label software	cablabel R2+ Codesoft, Nicelabel, Easylabel Bartender, Label Matrix, Labelview	■ ○☐ ○
	Accredited for Windows driver	32 / 64 bit for Windows XP Server 2003 Windows Vista Server 2008 Windows 7 Server 2008 R2	■
	Stand-alone operation		■

Innovative technology for better climate protection, energy-saving, environmentally conscious.

For current data, please go to www.cab.de/en/hermesplus

Scan this QR code with your smartphone and learn more about Hermes+ series.

Applicators



1 Long operating life
The linear caged ball guide is precise and wear resistant.

2 Variable product heights
The lift cylinder allows labelling in different heights. It is standard available in 200/300/400 mm length. Others dimensions on request.

3 High process reliability
The supporting air jet streaming and the vacuum as well as the cylinder speed are adjustable and monitored via sensors.

4 Real time application
Applicators for small and big labels permit the application of labels with a height of 4 - 250 mm and a width of 4 - 174 mm.

5 Protective cover
As a standard, cylinder and guide are protected by a cover. cab offers customized covers for labelling work stations which are adapted to the product fixture.

6 Pivot applicator
Easy and fast access to the printer's mechanics for material change or maintenance work.

Applicators for Hermes⁺2 and Hermes⁺4

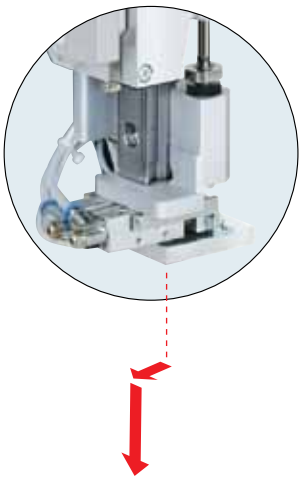
For the precise applying in real time of very small to medium sized labels.

The tamp pad is positioned above the peeling, the liner directly transfers the label to the tamp pad.

The precision guide enables the labels to be applied or blown on the product with great accuracy.

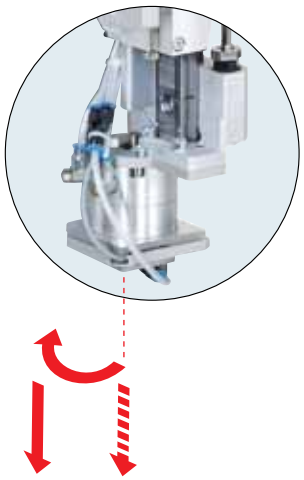
Typ 4114

With horizontal precision guide in feed direction to enable the label to be applied on the product via lifting cylinder.



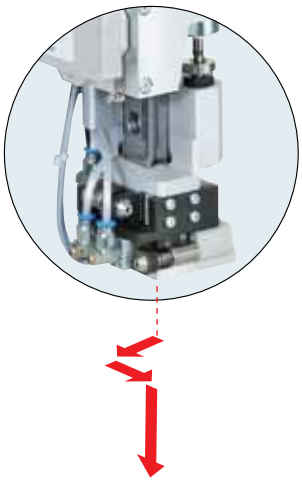
Typ 4214

With horizontal rotary cylinder (angle of rotation 90 other 180°) to enable the label to be applied on the product in difficult installation positions.



Typ 4414

With adjustable horizontal precision guides in X and Y direction to enable the labels to be moved to both directions by up to Y = 13 mm, X = 5 mm.



Transfer method		Tamp pad	Blow pad	Tamp pad	Blow pad	Tamp pad	Blow pad
Label width mm	Hermes⁺2	4 - 58	10 - 58	4 - 58	10 - 58	4 - 58	10 - 58
	Hermes⁺4	10 - 114	10 - 114	4 - 80	10 - 80	4 - 114	10 - 114
Label height mm		4 - 80	10 - 80	4 - 40	10 - 40	4 - 80	10 - 80
Product	fixed	■	■	■	■	■	■
	in motion	–	■	–	■	–	■
Product height	fixed	–	■	–	■	–	■
	variable	■	–	■	–	■	–
Distance to product from bottom line printer at cylinder stroke	200 mm up to	135	140	135	140	135	140
	300 mm up to	235	240	235	240	235	240
	400 mm up to	335	340	335	340	335	340
Immersion depth pad up to mm[2]		100	100	65	65	90	90
Pressure air / bar		4,5	4,5	4,5	4,5	4,5	4,5
Cycle time[1] max. cycles/min.		30	30	25	25	25	25

[1] determined at cylinder stroke 100 mm / lowest Label height / print speed 100 mm/sec.
[2] If the immersion depth of the applicator >25 mm the cover of the Hermes⁺ has to be adjusted.

Applicators for Hermes+4 and Hermes+6

The applicators enable the labels to be applied downwards, upwards or sideways on to the product. The size of the tamp is customized to any label dimension.

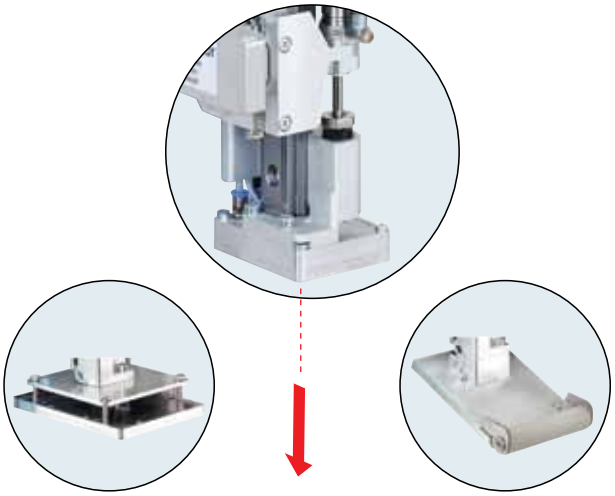
Depending on the operation mode the tamp surface is stiff, damped or spring-forced.

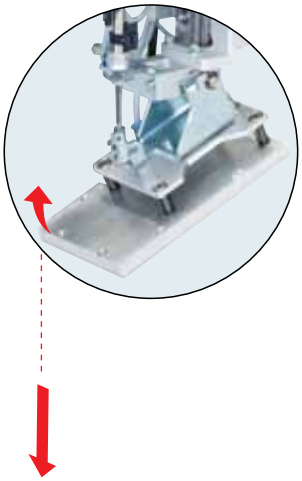
Typ 4014/4016

For applying middle up to larger-sized labels with tamp or blow pad, with flat plate, spring mounted plate or roll-on pad.

Typ 4314/4316

For applying larger-sized labels, optionally spring forced to compensate inclined surfaces.





Transfer method		Tamp pad	Blow pad	Tamp pad spring-forced	Roll-on pad	Tamp pad spring-forced
Label width mm	Hermes+4	20 - 114	20 - 114	80 - 114	25 - 114	100 - 114
	Hermes+6	50 - 174	on request	80 - 174	50 - 174	100 - 174
Label height mm		20 - 210	20 - 100	80 - 210	80 - 250	100 - 250
Product	fixed	■	■	■	–	■
	in motion	–	■	–	■	–
Product height	fixed	–	■	–	–	–
	variable	■	–	■	■	■
Distance to product from bottom line printer at cylinder stroke	200 mm up to	135	140	130	160	130
	300 mm up to	235	240	230	260	230
	400 mm up to	335	340	330	360	330
Immersion depth pad up to mm[2]		120	120	100	–	70
Pressure air / bar		4,5	4,5	4,5	4,5	4,5
Cycle time[1] max. cycles/min.		30	30	25	20	20

[1] determined at cylinder stroke 100 mm / lowest Label height / print speed 100 mm/sec.
[2] If the immersion depth of the applicator >25 mm the cover of the Hermes+ has to be adjusted.

Dispense module for Hermes⁺4 and Hermes⁺6

Typ 5114/5116

Mechanical dispensing module.
Print speed and conveyor speed
have to be synchronized.

Transfer method		Dispensing plate
Label width mm	Hermes⁺4	25 - 114
	Hermes⁺6	50 - 174
Label height mm		25 - 250
Product	in motion	■
Product height	fixed	■
Distance to product from bottom line printer		80
Cycle time[1] max. cycles/min.		120

1 Knurled screw
2 Adjustable guide roller
3 Brush

Accessories for label printer Hermes+

1 Cover

Protection against dirt and accidental contact.
If the immersion depth of the applicator >25 mm the cover of the Hermes+ has to be adjusted.
The accessibility and closing function have to be checked for vertical and other installation positions.

2 External operation panel

If the operation panel is not accessible after installation of the printer into a production plant it is possible to attach an external operation panel.
The panel is equipped with a slot for a CF-memory card Type I and an USB-interface for the installation of a keyboard, a scanner or a service key.

3 Compact keyboard

Connection: USB, number of keys: 86.
L x W/mm: 282 x 132, Cherry G84-4100.

4 Memory card

CompactFlash Type I. Recording of label formats, fonts, texts or graphics either on the printer or on the PC, read- and rewriteable.

5 Product sensor

For automatic printing and applying after detection of a product, e.g. on a conveyor belt.

6 Sub-D plug

Connection of the control signals to the IO-interface with screw clamps.

7 Warning light

Indicates the display and the printer status.

Red: Printing or applying failure
Yellow: Prewarning end of label, end of ribbon
Green: Ready for operation

The signal light is assembled directly to the printer, the bracket or somewhere in the surrounding area. Length of connection cable 1 m.

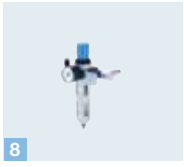
8 Air-pressure regulation unit

It can be assembled to the Hermes+ or its brackets.
Pre-adjustment to 4,5 bar by using a mounting angle.

9 Air-pressure regulation unit with additional cut-in valve

In case of integration of the print & apply system into a production line the air-pressure can be turned on or off externally.
Pre-adjustment to 4,5 bar. Essential in combination with E-Stop switch.

The operation and the compliance with CE-standards is only warranted by using cab-made materials or materials recommended by cab.



Mounting foot

For desktop installation or integration into production lines, mountable in left or right version. Design and size of the base plate are manufactured on demand.

1 Adapter plate

The adapter plate is mounted to at the printer by using two register pins and screwed on from below.

2 Profile

Standard lengths: 40, 80 and 120 mm.
The aluminium square profile can be manufactured up to 1000 mm length.

3 Base plate

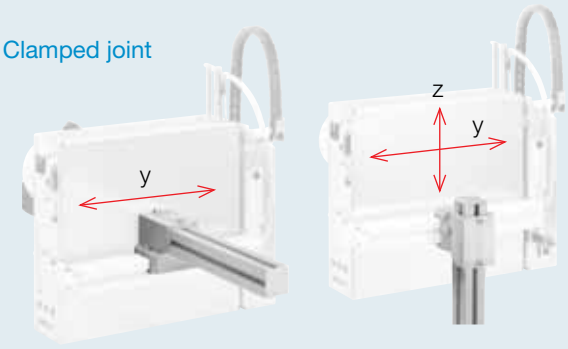
Standard size: 500 x 255 mm.
The product holder is mounted to the base plate for the desktopversion

Accessories stand

Bracket

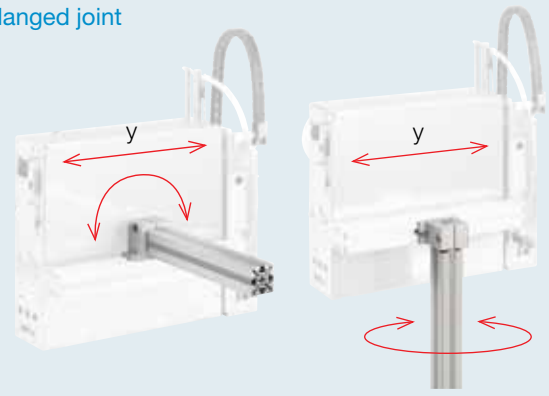
The Hermes+ is mounted to the stand with the bracket.

Clamped joint



The clamped joint permits the horizontal and vertical displacement, depending on the installation.

Flanged joint



The flanged joint permits the rotation and the horizontal displacement of the labelling system.

Use of the aluminium profile:

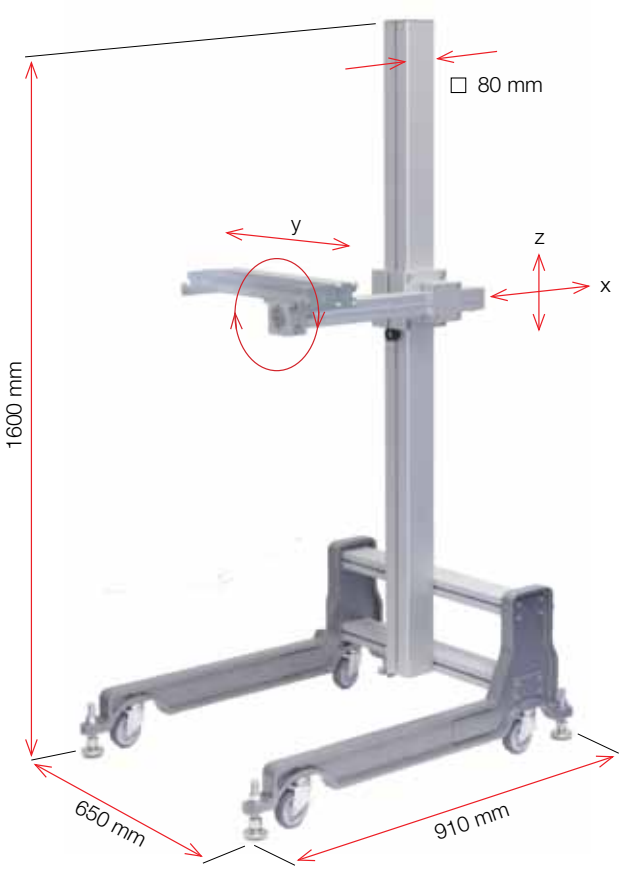
Profil cross-section:	50 x 50 mm
Supplier:	Rose+Krieger
Part no:	4.08.5000

Floor stand

For the mounting of any labelling systems of the Hermes+ series into a production line. Due to the various adjusting possibilities the Hermes+ can be positioned in 3 axes to the labelling product. Pivoting also possible.

Floor stand 1601 Hermes+

Preferred application:
Operation of the Hermes+ in different lines. The floor stand is mobile and can be adjusted and locked at the operation site with the adjustment legs.



Floor stand 1602 Hermes+

Preferred application:
Frequent adjustment of the labelling position in height and depth. Due to the rack regulation system the Hermes+ can be positioned in X-and Y-axis to the labelling product via handwheels.

Technical data	Floor stand 1601 Hermes+	Floor stand 1602 Hermes+
Base frame	Guide rollers and adjustment legs	Adjustment leg
Adjustment of height Adjustment of depth	Screw clamping Screw clamping	Gear rack / crank handle Gear rack / hand wheel
Load max. kg at a horizontal extension of 500 mm	50	50
Weight kg	36	38
Max. labelling height about mm	1400	1400

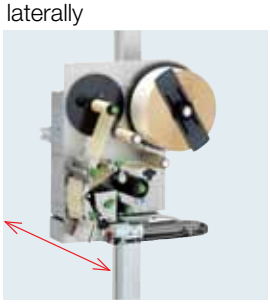
Examples printer installation

Labelling in transport direction
top down

laterally

Labelling diagonally to transport direction
top down

laterally



Delivery program

	Part No.	Hardware L
	5955502 **5955503**	Label printer Hermes+ 2L/300-2 Label printer Hermes+ 2L/600-2
	5955504 **5955505** **5955506**	Label printer Hermes+ 4L/200-2 Label printer Hermes+ 4L/300-2 Label printer Hermes+ 4L/600-2
	5955507 **5955508**	Label printer Hermes+ 4.3L/200-2 Label printer Hermes+ 4.3L/300-2
	5955509 **5955510**	Label printer Hermes+ 6L/200-2 Label printer Hermes+ 6L/300-2
	5961410 **5961411**	Label printer Hermes+ 2L/300-3 Label printer Hermes+ 2L/600-3
	5955511 **5955512** **5955513**	Label printer Hermes+ 4L/200-3 Label printer Hermes+ 4L/300-3 Label printer Hermes+ 4L/600-3
	5955514 **5955515**	Label printer Hermes+ 4.3L/200-3 Label printer Hermes+ 4.3L/300-3
	5955516 **5955517**	Label printer Hermes+ 6L/200-3 Label printer Hermes+ 6L/300-3

	Part No.	Hardware options
	595xxxx.201	Label printer Hermes+ with cover[1]
	595xxxx.202	Label printer Hermes+ with ribbon saver[2]
	595xxxx.203	Label printer Hermes+ with cover[1] and ribbon saver[2]
	on request **5961406**	Label printer Hermes+ with label roll core diameter of 40 mm only for Hermes+2 and 4 adapter for core diameter 50 mm
		[1] only for label rolls up to 205 mm Ø [2] only for Hermes+4 and 6
		If the immersion depth of the applicator >25 mm the cover of the Hermes+ has to be adjusted.

	Part No.	Hardware R
	5955752 **5955753**	Label printer Hermes+ 2R/300-2 Label printer Hermes+ 2R/600-2
	5955754 **5955755** **5955756**	Label printer Hermes+ 4R/200-2 Label printer Hermes+ 4R/300-2 Label printer Hermes+ 4R/600-2
	5955757 **5955758**	Label printer Hermes+ 4.3R/200-2 Label printer Hermes+ 4.3R/300-2
	5955759 **5955760**	Label printer Hermes+ 6R/200-2 Label printer Hermes+ 6R/300-2
	5961412 **5961413**	Label printer Hermes+ 2R/300-3 Label printer Hermes+ 2R/600-3
	5955761 **5955762** **5955763**	Label printer Hermes+ 4R/200-3 Label printer Hermes+ 4R/300-3 Label printer Hermes+ 4R/600-3
	5955764 **5955765**	Label printer Hermes+ 4.3R/200-3 Label printer Hermes+ 4.3R/300-3
	5955766 **5955767**	Label printer Hermes+ 6R/200-3 Label printer Hermes+ 6R/300-3

Label width	58 mm		**2**
	114 mm		**4**
	114 mm		**4.3**
	174 mm		**6**
Label exit to the	left		**L**
	right		**R**
Print resolution	203 dpi		**200**
	300 dpi		**300**
	600 dpi		**600**
for label rolls	Ø up to	205 mm	**2**
for label rolls	Ø up to	300 mm	**3**

	Content of delivery:
	Label printer, Power cable Type E+F, length 1,8 m, Connecting cables USB, length 1,8 m, Operation manual de/en
DVD:	Operation manual de/en/fr, Configurations manual de/en/fr, Service manual de/en, Spare part list de/en, Programming manual en, Windows printer driver 32/64 bit in 19 languages for Windows XP Server 2003 Windows Vista Server 2008 Windows 7 Server 2008 R2 Label software cablabel R2+ in 24 languages Database Connector en

	Part No.	Spare parts
	5954105.001 **5958686.001**	Printhead 2/300 Printhead 2/600
	5954081.001 **5954072.001** **5954077.001**	Printhead 4/200 Printhead 4/300 Printhead 4/600
	5954085.001 **5954089.001**	Printhead 4.3/200 Printhead 4.3/300
	5954217.001 **5954106.001**	Printhead 6/200 Printhead 6/300
	5954102.001 **5954180.001** **5954245.001**	Print roller DR2 Print roller DR4 Print roller DR6
	5961015.001 **5961298.001** **5961220.001**	Drawing roller ZR2 Drawing roller ZR4 Drawing roller ZR6

Delivery program

	Part No.	Applicators L	
	5966101	Applicator	4014L-200
	5966102	Applicator	4014L-300
	5966103	Applicator	4014L-400
	5966161	Applicator	4016L-200
	5966162	Applicator	4016L-300
	5966163	Applicator	4016L-400
	xxxxxxx	Tamp pad	4014L-11xx B x H
	xxxxxxx	Tamp pad	4016L-11xx B x H
	5966147	Universal tamp pad	4014L-1100 75x60 B x H
	5966148	Universal tamp pad	4014L-1100 90x90 B x H
	xxxxxxx	Blow pad	4014L-21xx B x H
	xxxxxxx	Tamp pad*	4014L-3x15 B x H
	xxxxxxx	Tamp pad*	4016L-3x15 B x H
	5966149	Universal tamp pad*	4014L-3100 116x102 B x H
	5966150	Universal tamp pad*	4014L-3100 116x152 B x H
	xxxxxxx	Roll-on pad	4014L-4100 BxH
	xxxxxxx	Roll-on pad	4016L-4100 BxH
	5966109	Applicator	4114L-200
	5966110	Applicator	4114L-300
	5966111	Applicator	4114L-400
	xxxxxxx	Tamp pad	4114L-1xxx B x H
	xxxxxxx	Blow pad	4114L-21xx B x H
	5966117	Applicator	4214L-200
	5966118	Applicator	4214L-300
	5966119	Applicator	4214L-400
	xxxxxxx	Tamp pad	4214L-1xxx B x H
	xxxxxxx	Blow pad	4214L-21xx B x H
	5966125	Applicator	4314L-200
	5966126	Applicator	4314L-300
	5966127	Applicator	4314L-400
	5966153	Applicator	4316L-200
	5966154	Applicator	4316L-300
	5966155	Applicator	4316L-400
	xxxxxxx	Tamp pad*	4314L-1115 B x H
	xxxxxxx	Tamp pad*	4316L-1115 B x H
	5966133	Applicator	4414L-200
	5966134	Applicator	4414L-300
	5966135	Applicator	4414L-400

Type **441**

for Hermes+ 2/4 **4**
for Hermes+ 6 **6**

Label exit at the printer
to the left **L**
to the right **R**

Cylinder stroke **200** **300** **400**

	xxxxxxx	Tamp pad	4414L-1xxx B x H
	xxxxxxx	Blow tube	4414L-21xx B x H
	5964277	Blow tube cpl. 2"	
	5964095	Blow tube cpl. 4"	
	5964614	Blow tube cpl. 6"	
	5966144	Dispensing module	5114L
	5966146	Dispensing module	5116L
	596xxxx.212	Pressure relief valve to reduce tamp force	

*spring-forced

	Part No.	Applicators R	
	5966105	Applicator	4014R-200
	5966106	Applicator	4014R-300
	5966107	Applicator	4014R-400
	5966165	Applicator	4016R-200
	5966166	Applicator	4016R-300
	5966167	Applicator	4016R-400
	xxxxxxx	Tamp pad	4014R-11xx B x H
	xxxxxxx	Tamp pad	4016R-11xx B x H
	5966140	Universal tamp pad	4014R-1100 75x60 B x H
	5966141	Universal tamp pad	4014R-1100 90x90 B x H
	xxxxxxx	Blow pad	4014R-21xx B x H
	xxxxxxx	Tamp pad*	4014R-3x15 B x H
	xxxxxxx	Tamp pad*	4016R-3x15 B x H
	5966142	Universal tamp pad*	4014R-3100 116x102 B x H
	5966153	Universal tamp pad*	4014R-3100 116x152 B x H
	xxxxxxx	Roll-on pad	4014R-4100 BxH
	xxxxxxx	Roll-on pad	4016R-4100 BxH
	5966113	Applicator	4114R-200
	5966114	Applicator	4114R-300
	5966115	Applicator	4114R-400
	xxxxxxx	Tamp pad	4114R-1xxx B x H
	xxxxxxx	Blow pad	4114R-21xx B x H
	5966121	Applicator	4214R-200
	5966122	Applicator	4214R-300
	5966123	Applicator	4214R-400
	xxxxxxx	Tamp pad	4214R-1xxx B x H
	xxxxxxx	Blow pad	4214R-21xx B x H
	5966129	Applicator	4314R-200
	5966130	Applicator	4314R-300
	5966131	Applicator	4314R-400
	5966156	Applicator	4316R-200
	5966157	Applicator	4316R-300
	5966158	Applicator	4316R-400
	xxxxxxx	Tamp pad*	4314R-1115 B x H
	xxxxxxx	Tamp pad*	4316R-1115 B x H
	5966137	Applicator	4414R-200
	5966138	Applicator	4414R-300
	5966139	Applicator	4414R-400
	xxxxxxx	Tamp pad	4414R-1xxx B x H
	xxxxxxx	Blow pad	4414R-21xx B x H

Type **441**

for Hermes+ 2/4 **4**
for Hermes+ 6 **6**

Label exit at the printer
to the left **L**
to the right **R**

Tamp pad **1**
Blow pad **2**
Blow pad spring mounted **3**
Roll-on pad **4**

blank **0**
Sliding foil **1**
Foam with sliding foil **2**
Rubber coating **5**
spring-loaded stopper **6**

Immersion depth 10 mm **10**

Label dimension **BxH**

	5966145	Dispensing module	5114R
	5966152	Dispensing module	5116R

*spring-forced

Delivery program

	Part No.	Accessories
	5954380.001	External operation panel
	5901630	Compact keyboard USB Cherry G84-4100
	5561043	Memory card CompactFlash Type I
	5964300	Photo sensor to start
	5917651	I/O Interface connector SUB-D-plug 25 pole Phoenix Contact No. 2761622
	5961237.001	Warning light
	5955735	Air-pressure regulation unit L
	5955736	Air-pressure regulation unit R
	5955737	Air-pressure regulation unit L with main valve
	5955738	Air-pressure regulation unit R with main valve
	5918092	Circular connector 3-pin M8
	5918003	Circular connector 4-pin M8

	Part No.	Assembling aids print apply systems
	59xxxx	Mounting foot
	5965940	Adapter plate
	auf Anfrage	Profile
	5961203	Base plate 500 x 255 mm
	5958400	Mounting plate
	5955685	Bracket, profile 50 x 50 mm Supplier: Rose+Krieger Article-No. 4.08.5000
	5905824	Joint KV 50
	8914443	Clamped joint, profile 50 x 50 mm Supplier: Rose+Krieger Article-No. 4.08.5000
	8914444	Flanged joint, profile 50 x 50 mm Supplier: Rose+Krieger Article-No. 4.08.5000
	5970113	Stand 1600
	5970112	Stand 1600+
	Part No.	**Interfaces**
	5954200 **5954201**	Centronics interface RS422/RS485 interface
	5954191	Label selection - I/O-Box
	5561041	WLAN-card 802.11 b/g
	Part No.	**Connecting cable**
	5550818	Cable RS232 C 9/9-pin, length 3 m
	5918008	Patch cable KAT 5e, 3 m grey
	Part No.	**Software**
	DL 40100	Database Connector Licence
	5580215	Administration Network Manager
	Content of delivery On request	Label software cablabel R2+ Codesoft, NiceLabel, Easylabel
	9008486	Programming manual English, printed copy

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